

DATE: 02/12/85

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Atlantic

OPR: H 373

Hydrographic Sheet: H-10086

Locality: NW Channel, Key West, Florida

Time Period: October 29-November 28, 1984

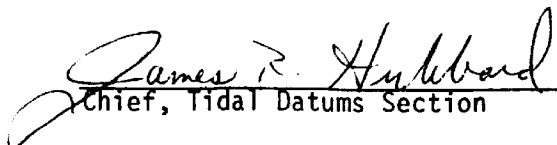
Tide Station Used: 872-4580 Key West, FL

Plane of Reference (Mean Lower Low Water): 4.33 ft.

Height of Mean High Water Above Plane of Reference: 1.6 ft.

Remarks: Recommended Zoning:

Zone Direct

  
Chief, Tidal Datums Section

DATE: 7/11/84

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Atlantic

OPR: H373

Hydrographic Sheet: H-10086

Locality: NW Channel, Key West, Florida

Time Period: February 15 - May 24, 1984

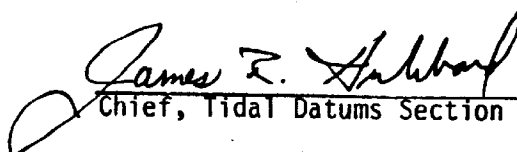
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## FIELD TIDE NOTE

OPR-H373-HSB-83

Field tide reduction of soundings was based on unverified actual heights from the Key West Harbor tide gage (Station #872-4580), and were interpolated using Program AM-500 on a PDP/8e computer. Tide records were recorded in Eastern Standard Time (EST), while the computer output was in GMT.

| SITE     | LATITUDE  | LONGITUDE | PERIOD                  |
|----------|-----------|-----------|-------------------------|
| Key West | 24°33.2'N | 81°48.5'W | Entire period of survey |

The gage in Key West is under contract to Chapin & Associates, Tallahassee, FL. Chapin & Associates was contacted upon arrival of the field party in Key West and on several other occasions when their gage observer failed to check the gage. Intermittent problems with the contractor's observer did not hinder surveying work by the field party due to the fact that personnel from HFP-2 checked the gage and made separate observation on the days of hydrography. Weekly tide station reports recorded by HFP-2 are contained in the fan folder with other survey material. (Survey H- 10120)

Although field party personnel checked the gage on these days, separate weekly tide station reports did not begin until January 15, 1984. On January 9, 1984, the gage battery failed and was replaced by HFP-2. In the process of restarting the gage, the digital counter slipped one foot, making the difference between the staff and the gage 11 feet instead of 10 feet. This extra foot remained unchanged for the entire project. The Chapin representative responsible for the Key West gage was informed of the situation as soon as possible.

After the incident with the dead battery and seeing that the gage observer was not reliable, HFP-2 began keeping their own records.

### LEVELS

Inspection levels were run at the beginning and at the end of the project. Closures between the beginning and the end of the project were less than 0.011 ft.

### ZONING

Zoning information should be furnished by Tides and Water Levels, N/OMS12, Rockville, MD.

### APPENDIX "B"

(15.)



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
**NATIONAL OCEAN SERVICE**

Date: 26 June 1984

To: Chief, Tides and Water Levels Branch, N/OMS12

From: John W. Humphrey, Lt.jg, NOAA  
Officer-in-Charge  
Hydrographic field party-2

Subject: Tidal Data for OPR-H373-HSB-84, Northwest Channel, FL. ~~H-10086~~

It is requested that verified hourly heights of Tides, using Greenwich Mean Time, from the operating tide gage listed below, be forwarded to the Atlantic Marine Center, Norfolk, Va. 23510, MOA/23

| <u>GAGE NAME</u>     | <u>NUMBER</u> | <u>LATITUDE</u> | <u>LONGITUDE</u> |
|----------------------|---------------|-----------------|------------------|
| Key West Harbor, FL. | 872-4580      | 24°33'N         | 81°48'W          |

This information is requested for the following Times and Dates:

|          |            |                     |
|----------|------------|---------------------|
| J.D. 046 | Feb.15,'84 | 1200 GMT - 2200 GMT |
| J.D. 047 | Feb.16,'84 | 1300 GMT - 2100 GMT |
| J.D. 053 | Feb.22,'84 | 1300 GMT - 2200 GMT |
| J.D. 055 | Feb.24,'84 | 1200 GMT - 1730 GMT |
| J.D. 066 | Mar. 6,'84 | 1200 GMT - 2030 GMT |
| J.D. 079 | Mar.19,'84 | 1330 GMT - 2100 GMT |
| J.D. 086 | Mar.26,'84 | 1230 GMT - 2100 GMT |
| J.D. 102 | Apr.11,'84 | 1230 GMT - 2200 GMT |
| J.D. 110 | Apr.19,'84 | 1230 GMT - 2300 GMT |
| J.D. 116 | Apr.25,'84 | 1230 GMT - 1800 GMT |
| J.D. 121 | Apr.30,'84 | 1100 GMT - 2100 GMT |
| J.D. 122 | May 1,'84  | 1230 GMT - 2100 GMT |
| J.D. 136 | May 15,'84 | 1230 GMT - 2200 GMT |
| J.D. 137 | May 16,'84 | 1200 GMT - 2000 GMT |
| J.D. 142 | May 21,'84 | 1130 GMT - 1800 GMT |
| J.D. 145 | May 24,'84 | 1430 GMT - 1800 GMT |

